

EQA round: DGP3/23 - Urine Strip Tests Analysis

Deadline: 1.12.2023

Setup: groups - S (measuring system)

AV = assigned value

N_{tot} = total number of the resultsN_{eva} = number of the results assessed

CVP = consensus of all participants

N_{rel} = relative number of the resultsN_{suc} = number of successful results

>>> ... expected result

S_{rel} = relative success

> ... acceptable result

± ... result not assessed

Test Sample Group	Frequency of the results			Success			
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(268) Bilirubin		315			315	313	99
Sample A		315			315	314	100
(0) not specified	CVP >>>	1	0,3	Negative			
(201) Arkray Aution JET / Eleven	CVP >>>	8	2,5	Negative			
(202) Arkray Aution MAX / Sysmex UX-2000	CVP >>>	12	3,8	Negative			
(204) Siemens Clinitek Novus	CVP >>>	35	11	Negative			
(205) Roche cobas u 601 (cobas 6500)	CVP >>>	10	3,2	Negative			
(208) Siemens Clinitek Status	CVP >>>	4	1,3	Negative			
(209) 77 Elektronika LabUreader	CVP >>>	11	3,5	Negative			
(215) Roche Urisys 1800 / cobas u411	CVP >>>	13	4,1	Negative			
(216) Sysmex UC-1000, UC-3500	CVP >>>	19	6	Negative			
(218) YD Diagnostics URISCAN Pro+	CVP >>>	1	0,3	Negative			
(220) 77 Elektronika HandUReader	CVP >>>	1	0,3	Negative			
(221) Erba Lachema LAURA	CVP >>>	18	5,7	Negative			
(222) Roche Urisys 1100	CVP >>>	4	1,3	Negative			
(223) Iris iChem Velocity	CVP >>>	26	8,3	Negative			
(225) Dirui H-series	CVP >>>	10	3,2	Negative			
(228) Siemens Clinitek Advantus	CVP >>>	9	2,9	Negative			
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	29	9,2	Negative			
(230) Dirui FUS-series	CVP >>>	56	18	Negative			
(998) Manual	CVP >>>	27	8,6	Negative			
(999) another system	CVP >>>	20	6,3	Negative			
		1	0,3	1+, 2+			
Sample B		315			315	313	99
(0) not specified	CVP >>>	1	0,3	Negative			
(201) Arkray Aution JET / Eleven	CVP >>>	8	2,5	Negative			
(202) Arkray Aution MAX / Sysmex UX-2000	CVP >>>	12	3,8	Negative			
(204) Siemens Clinitek Novus	CVP >>>	35	11	Negative			
(205) Roche cobas u 601 (cobas 6500)	CVP >>>	10	3,2	Negative			
(208) Siemens Clinitek Status	CVP >>>	4	1,3	Negative			
(209) 77 Elektronika LabUreader	CVP >>>	11	3,5	Negative			
(215) Roche Urisys 1800 / cobas u411	CVP >>>	13	4,1	Negative			
(216) Sysmex UC-1000, UC-3500	CVP >>>	19	6	Negative			
(218) YD Diagnostics URISCAN Pro+	CVP >>>	1	0,3	Negative			
(220) 77 Elektronika HandUReader	CVP >>>	1	0,3	Negative			
(221) Erba Lachema LAURA	CVP >>>	18	5,7	Negative			
(222) Roche Urisys 1100	CVP >>>	4	1,3	Negative			
(223) Iris iChem Velocity	CVP >>>	26	8,3	Negative			
(225) Dirui H-series	CVP >>>	10	3,2	Negative			
(228) Siemens Clinitek Advantus	CVP >>>	9	2,9	Negative			
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	29	9,2	Negative			
(230) Dirui FUS-series	CVP >>>	56	18	Negative			
(998) Manual	CVP >>>	1	0,3	Not specified			
	CVP >>>	26	8,3	Negative			
(999) another system	CVP >>>	20	6,3	Negative			
		1	0,3	1+, 2+			
(264) Total protein		316			316	312	99
Sample A		316			316	312	99
(201) Arkray Aution JET / Eleven	CVP >>>	8	2,5	Negative, < 0,3 g/L			
(202) Arkray Aution MAX / Sysmex UX-2000	CVP >>>	13	4,1	Negative, < 0,3 g/L			
(204) Siemens Clinitek Novus	CVP >>>	34	11	Negative, < 0,3 g/L			
(205) Roche cobas u 601 (cobas 6500)	CVP >>>	10	3,2	Negative, < 0,3 g/L			
(208) Siemens Clinitek Status	CVP >>>	4	1,3	Negative, < 0,3 g/L			
(209) 77 Elektronika LabUreader	CVP >>>	11	3,5	Negative, < 0,3 g/L			
(215) Roche Urisys 1800 / cobas u411	CVP >>>	13	4,1	Negative, < 0,3 g/L			
(216) Sysmex UC-1000, UC-3500	CVP >>>	19	6	Negative, < 0,3 g/L			
(218) YD Diagnostics URISCAN Pro+	CVP >>>	1	0,3	Negative, < 0,3 g/L			
(220) 77 Elektronika HandUReader	CVP >>>	1	0,3	Negative, < 0,3 g/L			
(221) Erba Lachema LAURA	CVP >>>	18	5,7	Negative, < 0,3 g/L			
(222) Roche Urisys 1100	CVP >>>	4	1,3	Negative, < 0,3 g/L			
(223) Iris iChem Velocity	CVP >>>	26	8,2	Negative, < 0,3 g/L			
(225) Dirui H-series	CVP >>>	9	2,8	Negative, < 0,3 g/L			
(228) Siemens Clinitek Advantus	CVP >>>	9	2,8	Negative, < 0,3 g/L			
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	29	9,2	Negative, < 0,3 g/L			

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Test Sample Group	AV	N _{tot}	N _{rel} [%]	Frequency of the results Result	Success		
					N _{eva}	N _{suc}	S _{rel} [%]
(230) Dirui FUS-series	CVP >>>	57	18	Negative, < 0,3 g/L			
(998) Manual	CVP >>>	27	8,5	Negative, < 0,3 g/L			
		1	0,3	0,3 - 0,5 g/L			
		1	0,3	0,51 - 2,5 g/L			
(999) another system	CVP >>>	19	6	Negative, < 0,3 g/L			
		1	0,3	0,51 - 2,5 g/L			
		1	0,3	> 2,5 g/L			
Sample B		316			316	313	99
(201) Arkray Aution JET / Eleven	CVP >>>	8	2,5	Negative, < 0,3 g/L			
(202) Arkray Aution MAX / Sysmex UX-2000	CVP >>>	13	4,1	Negative, < 0,3 g/L			
(204) Siemens Clinitek Novus	CVP >>>	34	11	Negative, < 0,3 g/L			
(205) Roche cobas u 601 (cobas 6500)	CVP >>>	10	3,2	Negative, < 0,3 g/L			
(208) Siemens Clinitek Status	CVP >>>	4	1,3	Negative, < 0,3 g/L			
(209) 77 Elektronika LabUreader	CVP >>>	11	3,5	Negative, < 0,3 g/L			
(215) Roche Urisys 1800 / cobas u411	CVP >>>	13	4,1	Negative, < 0,3 g/L			
(216) Sysmex UC-1000, UC-3500	CVP >>>	19	6	Negative, < 0,3 g/L			
(218) YD Diagnostics URISCAN Pro+	CVP >>>	1	0,3	Negative, < 0,3 g/L			
(220) 77 Elektronika HandUReader	CVP >>>	1	0,3	Negative, < 0,3 g/L			
(221) Erba Lachema LAURA	CVP >>>	18	5,7	Negative, < 0,3 g/L			
(222) Roche Urisys 1100	CVP >>>	4	1,3	Negative, < 0,3 g/L			
(223) Iris iChem Velocity	CVP >>>	26	8,2	Negative, < 0,3 g/L			
(225) Dirui H-series	CVP >>>	9	2,8	Negative, < 0,3 g/L			
(228) Siemens Clinitek Advantus	CVP >>>	9	2,8	Negative, < 0,3 g/L			
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	29	9,2	Negative, < 0,3 g/L			
(230) Dirui FUS-series	CVP >>>	57	18	Negative, < 0,3 g/L			
(998) Manual	CVP >>>	27	8,5	Negative, < 0,3 g/L			
		2	0,6	0,3 - 0,5 g/L			
(999) another system	CVP >>>	20	6,3	Negative, < 0,3 g/L			
		1	0,3	0,3 - 0,5 g/L			
(261) Glucose		317			317	312	98
Sample A		317			317	315	99
(0) not specified	CVP >>>	1	0,3	2,81 - 11 mmol/L			
(201) Arkray Aution JET / Eleven	CVP >>>	3	0,9	2,81 - 11 mmol/L			
	CVP >>>	5	1,6	11,1 - 28 mmol/L			
(202) Arkray Aution MAX / Sysmex UX-2000	CVP >>>	8	2,5	2,81 - 11 mmol/L			
	CVP >>>	4	1,3	11,1 - 28 mmol/L			
(204) Siemens Clinitek Novus		1	0,3	Negative, normal, <= 2,8 mmol/L			
	CVP >>>	21	6,6	2,81 - 11 mmol/L			
	CVP >>>	13	4,1	11,1 - 28 mmol/L			
(205) Roche cobas u 601 (cobas 6500)	CVP >>>	1	0,3	2,81 - 11 mmol/L			
	CVP >>>	8	2,5	11,1 - 28 mmol/L			
	>	1	0,3	> 28 mmol/L			
(208) Siemens Clinitek Status	CVP >>>	1	0,3	2,81 - 11 mmol/L			
	CVP >>>	3	0,9	11,1 - 28 mmol/L			
(209) 77 Elektronika LabUreader	CVP >>>	4	1,3	2,81 - 11 mmol/L			
	CVP >>>	5	1,6	11,1 - 28 mmol/L			
	>	2	0,6	> 28 mmol/L			
(215) Roche Urisys 1800 / cobas u411	CVP >>>	8	2,5	2,81 - 11 mmol/L			
	CVP >>>	4	1,3	11,1 - 28 mmol/L			
	>	1	0,3	> 28 mmol/L			
(216) Sysmex UC-1000, UC-3500	CVP >>>	2	0,6	2,81 - 11 mmol/L			
	CVP >>>	17	5,4	11,1 - 28 mmol/L			
(218) YD Diagnostics URISCAN Pro+	CVP >>>	1	0,3	11,1 - 28 mmol/L			
(220) 77 Elektronika HandUReader		>	1	> 28 mmol/L			
(221) Erba Lachema LAURA	CVP >>>	3	0,9	2,81 - 11 mmol/L			
	CVP >>>	12	3,8	11,1 - 28 mmol/L			
	>	3	0,9	> 28 mmol/L			
(222) Roche Urisys 1100	CVP >>>	1	0,3	2,81 - 11 mmol/L			
	CVP >>>	3	0,9	11,1 - 28 mmol/L			
(223) Iris iChem Velocity	CVP >>>	13	4,1	2,81 - 11 mmol/L			
	CVP >>>	13	4,1	11,1 - 28 mmol/L			
(225) Dirui H-series	CVP >>>	5	1,6	2,81 - 11 mmol/L			
	CVP >>>	4	1,3	11,1 - 28 mmol/L			
(228) Siemens Clinitek Advantus	CVP >>>	4	1,3	2,81 - 11 mmol/L			
	CVP >>>	5	1,6	11,1 - 28 mmol/L			
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	17	5,4	2,81 - 11 mmol/L			
	CVP >>>	10	3,2	11,1 - 28 mmol/L			
	>	2	0,6	> 28 mmol/L			
(230) Dirui FUS-series	CVP >>>	24	7,6	2,81 - 11 mmol/L			

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Test Sample Group	AV	N _{tot}	N _{rel} [%]	Frequency of the results Result	Success		
					N _{eva}	N _{suc}	S _{rel} [%]
	CVP >>>	30	9,5	11,1 - 28 mmol/L			
	>	3	0,9	> 28 mmol/L			
(998) Manual	CVP >>>	10	3,2	2,81 - 11 mmol/L			
	CVP >>>	14	4,4	11,1 - 28 mmol/L			
	>	5	1,6	> 28 mmol/L			
(999) another system		1	0,3	Negative, normal, <= 2,8 mmol/L			
	CVP >>>	6	1,9	2,81 - 11 mmol/L			
	CVP >>>	13	4,1	11,1 - 28 mmol/L			
	>	1	0,3	> 28 mmol/L			
Sample B		317			317	314	99
(0) not specified	CVP >>>	1	0,3	Negative, normal, <= 2,8 mmol/L			
(201) Arkray Aution JET / Eleven	CVP >>>	8	2,5	Negative, normal, <= 2,8 mmol/L			
(202) Arkray Aution MAX / Sysmex UX-2000	CVP >>>	12	3,8	Negative, normal, <= 2,8 mmol/L			
(204) Siemens Clinitek Novus	CVP >>>	35	11	Negative, normal, <= 2,8 mmol/L			
(205) Roche cobas u 601 (cobas 6500)	CVP >>>	10	3,2	Negative, normal, <= 2,8 mmol/L			
(208) Siemens Clinitek Status	CVP >>>	4	1,3	Negative, normal, <= 2,8 mmol/L			
(209) 77 Elektronika LabUreader	CVP >>>	11	3,5	Negative, normal, <= 2,8 mmol/L			
(215) Roche Urисys 1800 / cobas u411	CVP >>>	12	3,8	Negative, normal, <= 2,8 mmol/L			
		1	0,3	11,1 - 28 mmol/L			
(216) Sysmex UC-1000, UC-3500	CVP >>>	19	6	Negative, normal, <= 2,8 mmol/L			
(218) YD Diagnostics URISCAN Pro+	CVP >>>	1	0,3	Negative, normal, <= 2,8 mmol/L			
(220) 77 Elektronika HandUReader	CVP >>>	1	0,3	Negative, normal, <= 2,8 mmol/L			
(221) Erba Lachema LAURA	CVP >>>	18	5,7	Negative, normal, <= 2,8 mmol/L			
(222) Roche Urисys 1100	CVP >>>	4	1,3	Negative, normal, <= 2,8 mmol/L			
(223) Iris iChem Velocity	CVP >>>	26	8,2	Negative, normal, <= 2,8 mmol/L			
(225) Dirui H-series	CVP >>>	9	2,8	Negative, normal, <= 2,8 mmol/L			
(228) Siemens Clinitek Advantus	CVP >>>	9	2,8	Negative, normal, <= 2,8 mmol/L			
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	29	9,1	Negative, normal, <= 2,8 mmol/L			
(230) Dirui FUS-series	CVP >>>	57	18	Negative, normal, <= 2,8 mmol/L			
(998) Manual	CVP >>>	29	9,1	Negative, normal, <= 2,8 mmol/L			
(999) another system	CVP >>>	19	6	Negative, normal, <= 2,8 mmol/L			
		2	0,6	2,81 - 11 mmol/L			
(275) hCG		14			14	14	100
Sample A		14			14	14	100
(208) Siemens Clinitek Status	CVP >>>	2	14	Negative			
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	1	7,1	Negative			
(998) Manual	CVP >>>	10	71	Negative			
(999) another system	CVP >>>	1	7,1	Negative			
Sample B		14			14	14	100
(208) Siemens Clinitek Status	CVP >>>	2	14	Negative			
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	1	7,1	Negative			
(998) Manual	CVP >>>	10	71	Negative			
(999) another system	CVP >>>	1	7,1	Negative			
(263) Ketone bodies		316			316	314	99
Sample A		316			316	314	99
(0) not specified	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(201) Arkray Aution JET / Eleven	CVP >>>	8	2,5	Negative, <= 0,5 mmol/L			
(202) Arkray Aution MAX / Sysmex UX-2000	CVP >>>	12	3,8	Negative, <= 0,5 mmol/L			
(204) Siemens Clinitek Novus	CVP >>>	35	11	Negative, <= 0,5 mmol/L			
(205) Roche cobas u 601 (cobas 6500)	CVP >>>	10	3,2	Negative, <= 0,5 mmol/L			
(208) Siemens Clinitek Status	CVP >>>	4	1,3	Negative, <= 0,5 mmol/L			
(209) 77 Elektronika LabUreader	CVP >>>	11	3,5	Negative, <= 0,5 mmol/L			
(215) Roche Urисys 1800 / cobas u411	CVP >>>	13	4,1	Negative, <= 0,5 mmol/L			
(216) Sysmex UC-1000, UC-3500	CVP >>>	19	6	Negative, <= 0,5 mmol/L			
(218) YD Diagnostics URISCAN Pro+	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(220) 77 Elektronika HandUReader	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(221) Erba Lachema LAURA	CVP >>>	18	5,7	Negative, <= 0,5 mmol/L			
(222) Roche Urисys 1100	CVP >>>	4	1,3	Negative, <= 0,5 mmol/L			
(223) Iris iChem Velocity	CVP >>>	26	8,2	Negative, <= 0,5 mmol/L			
(225) Dirui H-series	CVP >>>	10	3,2	Negative, <= 0,5 mmol/L			
(228) Siemens Clinitek Advantus	CVP >>>	8	2,5	Negative, <= 0,5 mmol/L			
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	29	9,2	Negative, <= 0,5 mmol/L			
(230) Dirui FUS-series	CVP >>>	56	18	Negative, <= 0,5 mmol/L			
(998) Manual	CVP >>>	29	9,2	Negative, <= 0,5 mmol/L			
(999) another system	CVP >>>	19	6	Negative, <= 0,5 mmol/L			
		1	0,3	1+, 2+			
		1	0,3	3+, 4+			
Sample B		316			316	315	100
(0) not specified	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			

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					N _{eva}	N _{suc}	S _{rel} [%]
(201) Arkray Aution JET / Eleven	CVP >>>	8	2,5	Negative, <= 0,5 mmol/L			
(202) Arkray Aution MAX / Sysmex UX-2000	CVP >>>	12	3,8	Negative, <= 0,5 mmol/L			
(204) Siemens Clinitek Novus	CVP >>>	35	11	Negative, <= 0,5 mmol/L			
(205) Roche cobas u 601 (cobas 6500)	CVP >>>	10	3,2	Negative, <= 0,5 mmol/L			
(208) Siemens Clinitek Status	CVP >>>	4	1,3	Negative, <= 0,5 mmol/L			
(209) 77 Elektronika LabUreader	CVP >>>	11	3,5	Negative, <= 0,5 mmol/L			
(215) Roche Urisys 1800 / cobas u411	CVP >>>	13	4,1	Negative, <= 0,5 mmol/L			
(216) Sysmex UC-1000, UC-3500	CVP >>>	19	6	Negative, <= 0,5 mmol/L			
(218) YD Diagnostics URISCAN Pro+	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(220) 77 Elektronika HandUReader	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(221) Erba Lachema LAURA	CVP >>>	18	5,7	Negative, <= 0,5 mmol/L			
(222) Roche Urisys 1100	CVP >>>	4	1,3	Negative, <= 0,5 mmol/L			
(223) Iris iChem Velocity	CVP >>>	26	8,2	Negative, <= 0,5 mmol/L			
(225) Dirui H-series	CVP >>>	10	3,2	Negative, <= 0,5 mmol/L			
(228) Siemens Clinitek Advantus	CVP >>>	8	2,5	Negative, <= 0,5 mmol/L			
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	29	9,2	Negative, <= 0,5 mmol/L			
(230) Dirui FUS-series	CVP >>>	56	18	Negative, <= 0,5 mmol/L			
(998) Manual	CVP >>>	29	9,2	Negative, <= 0,5 mmol/L			
(999) another system	CVP >>>	20	6,3	Negative, <= 0,5 mmol/L			
		1	0,3	1+, 2+			
(272) Blood		317			317	314	99
Sample A		317			317	315	99
(0) not specified	CVP >>>	1	0,3	Negative			
(201) Arkray Aution JET / Eleven	CVP >>>	8	2,5	Negative			
(202) Arkray Aution MAX / Sysmex UX-2000	CVP >>>	12	3,8	Negative			
(204) Siemens Clinitek Novus	CVP >>>	35	11	Negative			
(205) Roche cobas u 601 (cobas 6500)	CVP >>>	10	3,2	Negative			
(208) Siemens Clinitek Status	CVP >>>	4	1,3	Negative			
(209) 77 Elektronika LabUreader	CVP >>>	11	3,5	Negative			
(215) Roche Urisys 1800 / cobas u411	CVP >>>	13	4,1	Negative			
(216) Sysmex UC-1000, UC-3500	CVP >>>	18	5,7	Negative			
		1	0,3	5 - 12 ery/ μ L			
(218) YD Diagnostics URISCAN Pro+	CVP >>>	1	0,3	Negative			
(220) 77 Elektronika HandUReader	CVP >>>	1	0,3	Negative			
(221) Erba Lachema LAURA	CVP >>>	19	6	Negative			
(222) Roche Urisys 1100	CVP >>>	4	1,3	Negative			
(223) Iris iChem Velocity	CVP >>>	25	7,9	Negative			
(225) Dirui H-series	CVP >>>	9	2,8	Negative			
(228) Siemens Clinitek Advantus	CVP >>>	9	2,8	Negative			
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	29	9,1	Negative			
(230) Dirui FUS-series	CVP >>>	57	18	Negative			
(998) Manual	CVP >>>	29	9,1	Negative			
(999) another system	CVP >>>	20	6,3	Negative			
		1	0,3	> 50 ery/ μ L			
Sample B		317			317	316	100
(0) not specified	CVP >>>	1	0,3	Negative			
(201) Arkray Aution JET / Eleven	CVP >>>	8	2,5	Negative			
(202) Arkray Aution MAX / Sysmex UX-2000	CVP >>>	12	3,8	Negative			
(204) Siemens Clinitek Novus	CVP >>>	35	11	Negative			
(205) Roche cobas u 601 (cobas 6500)	CVP >>>	10	3,2	Negative			
(208) Siemens Clinitek Status	CVP >>>	4	1,3	Negative			
(209) 77 Elektronika LabUreader	CVP >>>	11	3,5	Negative			
(215) Roche Urisys 1800 / cobas u411	CVP >>>	13	4,1	Negative			
(216) Sysmex UC-1000, UC-3500	CVP >>>	19	6	Negative			
(218) YD Diagnostics URISCAN Pro+	CVP >>>	1	0,3	Negative			
(220) 77 Elektronika HandUReader	CVP >>>	1	0,3	Negative			
(221) Erba Lachema LAURA	CVP >>>	19	6	Negative			
(222) Roche Urisys 1100	CVP >>>	4	1,3	Negative			
(223) Iris iChem Velocity	CVP >>>	25	7,9	Negative			
(225) Dirui H-series	CVP >>>	9	2,8	Negative			
(228) Siemens Clinitek Advantus	CVP >>>	9	2,8	Negative			
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	29	9,1	Negative			
(230) Dirui FUS-series	CVP >>>	57	18	Negative			
(998) Manual	CVP >>>	28	8,8	Negative			
		1	0,3	5 - 12 ery/ μ L			
(999) another system	CVP >>>	21	6,6	Negative			
(270) WBC		284			284	281	99
Sample A		284			284	281	99
(0) not specified	CVP >>>	1	0,4	Negative			

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					N _{eva}	N _{suc}	S _{rel} [%]
(201) Arkray Aution JET / Eleven	CVP >>>	8	2,8	Negative			
(202) Arkray Aution MAX / Sysmex UX-2000	CVP >>>	12	4,2	Negative			
(204) Siemens Clinitek Novus	CVP >>>	33	12	Negative			
(205) Roche cobas u 601 (cobas 6500)	CVP >>>	9	3,2	Negative			
(208) Siemens Clinitek Status	CVP >>>	4	1,4	Negative			
(209) 77 Elektronika LabUreader	CVP >>>	11	3,9	Negative			
(215) Roche Urisys 1800 / cobas u411	CVP >>>	13	4,6	Negative			
(216) Sysmex UC-1000, UC-3500	CVP >>>	18	6,3	Negative			
		1	0,4	10 - 50 leu/μL			
(220) 77 Elektronika HandUReader	CVP >>>	1	0,4	Negative			
(221) Erba Lachema LAURA	CVP >>>	15	5,3	Negative			
(222) Roche Urisys 1100	CVP >>>	4	1,4	Negative			
(223) Iris iChem Velocity	CVP >>>	24	8,5	Negative			
(225) Dirui H-series	CVP >>>	9	3,2	Negative			
(228) Siemens Clinitek Advantus	CVP >>>	10	3,5	Negative			
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	28	9,9	Negative			
		1	0,4	10 - 50 leu/μL			
(230) Dirui FUS-series	CVP >>>	57	20	Negative			
(998) Manual	CVP >>>	5	1,8	Negative			
(999) another system	CVP >>>	19	6,7	Negative			
		1	0,4	51 - 250 leu/μL			
Sample B		284			284	283	100
(0) not specified	CVP >>>	1	0,4	Negative			
(201) Arkray Aution JET / Eleven	CVP >>>	8	2,8	Negative			
(202) Arkray Aution MAX / Sysmex UX-2000	CVP >>>	12	4,2	Negative			
(204) Siemens Clinitek Novus	CVP >>>	33	12	Negative			
(205) Roche cobas u 601 (cobas 6500)	CVP >>>	9	3,2	Negative			
(208) Siemens Clinitek Status	CVP >>>	4	1,4	Negative			
(209) 77 Elektronika LabUreader	CVP >>>	11	3,9	Negative			
(215) Roche Urisys 1800 / cobas u411	CVP >>>	13	4,6	Negative			
(216) Sysmex UC-1000, UC-3500	CVP >>>	18	6,3	Negative			
		1	0,4	10 - 50 leu/μL			
(220) 77 Elektronika HandUReader	CVP >>>	1	0,4	Negative			
(221) Erba Lachema LAURA	CVP >>>	15	5,3	Negative			
(222) Roche Urisys 1100	CVP >>>	4	1,4	Negative			
(223) Iris iChem Velocity	CVP >>>	24	8,5	Negative			
(225) Dirui H-series	CVP >>>	9	3,2	Negative			
(228) Siemens Clinitek Advantus	CVP >>>	10	3,5	Negative			
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	29	10	Negative			
(230) Dirui FUS-series	CVP >>>	57	20	Negative			
(998) Manual	CVP >>>	5	1,8	Negative			
(999) another system	CVP >>>	20	7	Negative			
(274) Nitrite		286			286	282	99
Sample A		286			286	282	99
(0) not specified	CVP >>>	1	0,3	Negative			
(201) Arkray Aution JET / Eleven	CVP >>>	8	2,8	Negative			
(202) Arkray Aution MAX / Sysmex UX-2000	CVP >>>	11	3,8	Negative			
(204) Siemens Clinitek Novus	CVP >>>	35	12	Negative			
(205) Roche cobas u 601 (cobas 6500)	CVP >>>	10	3,5	Negative			
(208) Siemens Clinitek Status	CVP >>>	4	1,4	Negative			
(209) 77 Elektronika LabUreader	CVP >>>	11	3,8	Negative			
(215) Roche Urisys 1800 / cobas u411	CVP >>>	13	4,5	Negative			
(216) Sysmex UC-1000, UC-3500	CVP >>>	19	6,6	Negative			
(220) 77 Elektronika HandUReader	CVP >>>	1	0,3	Negative			
(221) Erba Lachema LAURA	CVP >>>	15	5,2	Negative			
(222) Roche Urisys 1100	CVP >>>	3	1	Negative			
(223) Iris iChem Velocity	CVP >>>	26	9,1	Negative			
(225) Dirui H-series	CVP >>>	9	3,1	Negative			
(228) Siemens Clinitek Advantus	CVP >>>	9	3,1	Negative			
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	27	9,4	Negative			
		1	0,3	Positive			
(230) Dirui FUS-series	CVP >>>	56	20	Negative			
(998) Manual	CVP >>>	6	2,1	Negative			
(999) another system	CVP >>>	18	6,3	Negative			
		3	1	Positive			
Sample B		286			286	285	100
(0) not specified	CVP >>>	1	0,3	Negative			
(201) Arkray Aution JET / Eleven	CVP >>>	8	2,8	Negative			
(202) Arkray Aution MAX / Sysmex UX-2000	CVP >>>	11	3,8	Negative			

EQA round: DGP3/23 - Urine Strip Tests Analysis

Deadline: 1.12.2023

Setup: groups - S (measuring system)

Test Sample Group	AV	N _{tot}	Frequency of the results			Success		
			N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]	
(204) Siemens Clinitek Novus	CVP >>>	35	12	Negative				
(205) Roche cobas u 601 (cobas 6500)	CVP >>>	10	3,5	Negative				
(208) Siemens Clinitek Status	CVP >>>	4	1,4	Negative				
(209) 77 Elektronika LabUreader	CVP >>>	11	3,8	Negative				
(215) Roche Urisys 1800 / cobas u411	CVP >>>	13	4,5	Negative				
(216) Sysmex UC-1000, UC-3500	CVP >>>	19	6,6	Negative				
(220) 77 Elektronika HandUReader	CVP >>>	1	0,3	Negative				
(221) Erba Lachema LAURA	CVP >>>	15	5,2	Negative				
(222) Roche Urisys 1100	CVP >>>	3	1	Negative				
(223) Iris iChem Velocity	CVP >>>	26	9,1	Negative				
(225) Dirui H-series	CVP >>>	9	3,1	Negative				
(228) Siemens Clinitek Advantus	CVP >>>	9	3,1	Negative				
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	28	9,8	Negative				
(230) Dirui FUS-series	CVP >>>	56	20	Negative				
(998) Manual	CVP >>>	6	2,1	Negative				
(999) another system	CVP >>>	20	7	Negative				
		1	0,3	Positive				
(273) pH		317			317	310	98	
Sample A		317			317	312	98	
(0) not specified	>	1	0,3	7,0				
(201) Arkray Aution JET / Eleven	>	1	0,3	7,0				
	CVP >>>	6	1,9	7,5				
	>	1	0,3	8,0				
(202) Arkray Aution MAX / Sysmex UX-2000	CVP >>>	6	1,9	7,5				
	>	7	2,2	8,0				
(204) Siemens Clinitek Novus	CVP >>>	3	0,9	7,5				
	>	14	4,4	8,0				
	>	18	5,7	8,5				
(205) Roche cobas u 601 (cobas 6500)	>	10	3,2	8,0				
(208) Siemens Clinitek Status	CVP >>>	3	0,9	7,5				
	>	1	0,3	8,5				
(209) 77 Elektronika LabUreader	>	2	0,6	7,0				
	CVP >>>	7	2,2	7,5				
	>	2	0,6	8,0				
(215) Roche Urisys 1800 / cobas u411	>	2	0,6	7,0				
	>	11	3,5	8,0				
(216) Sysmex UC-1000, UC-3500	CVP >>>	18	5,7	7,5				
(218) YD Diagnostics URISCAN Pro+	CVP >>>	1	0,3	7,5				
(220) 77 Elektronika HandUReader	>	1	0,3	8,0				
(221) Erba Lachema LAURA	>	1	0,3	6,5				
	>	7	2,2	7,0				
	CVP >>>	1	0,3	7,5				
	>	8	2,5	8,0				
		1	0,3	9,0				
(222) Roche Urisys 1100	>	1	0,3	7,0				
	>	3	0,9	8,0				
(223) Iris iChem Velocity	CVP >>>	4	1,3	7,5				
	>	15	4,7	8,0				
	>	7	2,2	8,5				
(225) Dirui H-series	>	1	0,3	6,5				
	>	1	0,3	7,0				
	CVP >>>	7	2,2	7,5				
(228) Siemens Clinitek Advantus	>	3	0,9	7,0				
	CVP >>>	3	0,9	7,5				
	>	3	0,9	8,0				
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	21	6,6	7,5				
	>	8	2,5	8,0				
(230) Dirui FUS-series	>	3	0,9	7,0				
	CVP >>>	42	13	7,5				
	>	12	3,8	8,0				
(998) Manual		1	0,3	6,0				
	>	1	0,3	6,5				
	>	9	2,8	7,0				
	CVP >>>	6	1,9	7,5				
	>	12	3,8	8,0				
(999) another system		2	0,6	6,0				
	>	3	0,9	6,5				
	>	6	1,9	7,0				
	CVP >>>	4	1,3	7,5				

EQA round: DGP3/23 - Urine Strip Tests Analysis

Deadline: 1.12.2023

Setup: groups - S (measuring system)

Test Sample Group	AV	N _{tot}	Frequency of the results			Success		
			N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]	
	>	5	1,6	8,0				
		1	0,3	9,0				
Sample B		317			317	315	99	
(0) not specified	>	1	0,3	6,0				
(201) Arkray Aution JET / Eleven	CVP >>>	8	2,5	6,5				
(202) Arkray Aution MAX / Sysmex UX-2000	>	1	0,3	6,0				
	CVP >>>	12	3,8	6,5				
(204) Siemens Clinitek Novus	CVP >>>	20	6,3	6,5				
	>	15	4,7	7,0				
(205) Roche cobas u 601 (cobas 6500)	>	10	3,2	7,0				
(208) Siemens Clinitek Status	CVP >>>	2	0,6	6,5				
	>	2	0,6	7,0				
(209) 77 Elektronika LabUreader	>	1	0,3	6,0				
	CVP >>>	10	3,2	6,5				
(215) Roche Urisys 1800 / cobas u411	CVP >>>	6	1,9	6,5				
	>	7	2,2	7,0				
(216) Sysmex UC-1000, UC-3500	CVP >>>	18	5,7	6,5				
(218) YD Diagnostics URISCAN Pro+	CVP >>>	1	0,3	6,5				
(220) 77 Elektronika HandUReader	CVP >>>	1	0,3	6,5				
(221) Erba Lachema LAURA	>	2	0,6	6,0				
	CVP >>>	15	4,7	6,5				
	>	1	0,3	7,0				
(222) Roche Urisys 1100	CVP >>>	2	0,6	6,5				
	>	2	0,6	7,0				
(223) Iris iChem Velocity	CVP >>>	23	7,3	6,5				
	>	3	0,9	7,0				
(225) Dirui H-series	>	1	0,3	5,5				
	>	4	1,3	6,0				
	CVP >>>	3	0,9	6,5				
	>	1	0,3	7,0				
(228) Siemens Clinitek Advantus	>	2	0,6	6,0				
	CVP >>>	5	1,6	6,5				
	>	2	0,6	7,0				
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	28	8,8	6,5				
	>	1	0,3	7,0				
(230) Dirui FUS-series	>	20	6,3	6,0				
	CVP >>>	37	12	6,5				
(998) Manual	>	2	0,6	5,0				
	>	2	0,6	5,5				
	>	20	6,3	6,0				
	CVP >>>	4	1,3	6,5				
	>	1	0,3	7,0				
(999) another system	>	9	2,8	6,0				
	CVP >>>	12	3,8	6,5				
(266) Urobilinogen		316			316	312	99	
Sample A		316			316	313	99	
(0) not specified	CVP >>>	1	0,3	Negative, < 17 µmol/L				
(201) Arkray Aution JET / Eleven	CVP >>>	8	2,5	Negative, < 17 µmol/L				
(202) Arkray Aution MAX / Sysmex UX-2000	CVP >>>	12	3,8	Negative, < 17 µmol/L				
(204) Siemens Clinitek Novus	CVP >>>	35	11	Negative, < 17 µmol/L				
(205) Roche cobas u 601 (cobas 6500)	CVP >>>	10	3,2	Negative, < 17 µmol/L				
(208) Siemens Clinitek Status	CVP >>>	4	1,3	Negative, < 17 µmol/L				
(209) 77 Elektronika LabUreader	CVP >>>	11	3,5	Negative, < 17 µmol/L				
(215) Roche Urisys 1800 / cobas u411	CVP >>>	13	4,1	Negative, < 17 µmol/L				
(216) Sysmex UC-1000, UC-3500	CVP >>>	19	6	Negative, < 17 µmol/L				
(218) YD Diagnostics URISCAN Pro+	CVP >>>	1	0,3	Negative, < 17 µmol/L				
(220) 77 Elektronika HandUReader	CVP >>>	1	0,3	Negative, < 17 µmol/L				
(221) Erba Lachema LAURA	CVP >>>	18	5,7	Negative, < 17 µmol/L				
(222) Roche Urisys 1100	CVP >>>	4	1,3	Negative, < 17 µmol/L				
(223) Iris iChem Velocity	CVP >>>	26	8,2	Negative, < 17 µmol/L				
(225) Dirui H-series	CVP >>>	9	2,8	Negative, < 17 µmol/L				
(228) Siemens Clinitek Advantus	CVP >>>	9	2,8	Negative, < 17 µmol/L				
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	29	9,2	Negative, < 17 µmol/L				
(230) Dirui FUS-series	CVP >>>	57	18	Negative, < 17 µmol/L				
(998) Manual	CVP >>>	28	8,9	Negative, < 17 µmol/L				
(999) another system	CVP >>>	18	5,7	Negative, < 17 µmol/L				
		2	0,6	1+, 2+				
		1	0,3	3+, 4+				

EQA round: DGP3/23 - Urine Strip Tests Analysis

Deadline: 1.12.2023

Setup: groups - S (measuring system)

Test Sample Group	AV	N _{tot}	N _{rel} [%]	Frequency of the results Result	Success		
					N _{eva}	N _{suc}	S _{rel} [%]
Sample B		316			316	313	99
(0) not specified	CVP >>>	1	0,3	Negative, < 17 µmol/L			
(201) Arkray Aution JET / Eleven	CVP >>>	8	2,5	Negative, < 17 µmol/L			
(202) Arkray Aution MAX / Sysmex UX-2000	CVP >>>	12	3,8	Negative, < 17 µmol/L			
(204) Siemens Clinitek Novus	CVP >>>	35	11	Negative, < 17 µmol/L			
(205) Roche cobas u 601 (cobas 6500)	CVP >>>	10	3,2	Negative, < 17 µmol/L			
(208) Siemens Clinitek Status	CVP >>>	4	1,3	Negative, < 17 µmol/L			
(209) 77 Elektronika LabUreader	CVP >>>	11	3,5	Negative, < 17 µmol/L			
(215) Roche Urisys 1800 / cobas u411	CVP >>>	13	4,1	Negative, < 17 µmol/L			
(216) Sysmex UC-1000, UC-3500	CVP >>>	19	6	Negative, < 17 µmol/L			
(218) YD Diagnostics URISCAN Pro+	CVP >>>	1	0,3	Negative, < 17 µmol/L			
(220) 77 Elektronika HandUReader	CVP >>>	1	0,3	Negative, < 17 µmol/L			
(221) Erba Lachema LAURA	CVP >>>	18	5,7	Negative, < 17 µmol/L			
(222) Roche Urisys 1100	CVP >>>	4	1,3	Negative, < 17 µmol/L			
(223) Iris iChem Velocity	CVP >>>	26	8,2	Negative, < 17 µmol/L			
(225) Dirui H-series	CVP >>>	9	2,8	Negative, < 17 µmol/L			
(228) Siemens Clinitek Advantus	CVP >>>	9	2,8	Negative, < 17 µmol/L			
(229) 77 Elektronika LabUMat, LabUMat 2	CVP >>>	29	9,2	Negative, < 17 µmol/L			
(230) Dirui FUS-series	CVP >>>	57	18	Negative, < 17 µmol/L			
(998) Manual	CVP >>>	28	8,9	Negative, < 17 µmol/L			
(999) another system	CVP >>>	18	5,7	Negative, < 17 µmol/L			
		3	0,9	1+, 2+			